

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S71	6	("20020170439" "20030094557" "4684164" "4877287" "4884646" "6131042").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2006/05/18 14:14
S72	10	rutland-wallis.xa.	US-PGPUB; USPAT; EPO	OR	OFF	2006/05/18 14:15
S73	11	(US-20050068706-\$).did. or (US-4492883-\$ or US-5313381-\$ or US-5606244-\$ or US-6462603-\$ or US-5602446-\$ or US-6456511-\$ or US-4481434-\$ or US-4877982-\$). did. or (DE-10013939-\$ or DE-4429285-\$).did.	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:03
S74	28	(US-20050111151-\$ or US-20040004404-\$ or US-20030169874-\$).did. or (US-5892299-\$ or US-4415778-\$ or US-6121693-\$ or US-5351162-\$ or US-7012815-\$ or US-7026646-\$ or US-5128552-\$ or US-5448675-\$ or US-6448671-\$ or US-6967348-\$ or US-4209666-\$ or US-5956275-\$ or US-4683563-\$ or US-6861956-\$ or US-6529034-\$ or US-6917186-\$ or US-6614671-\$ or US-5828231-\$ or US-7045915-\$ or US-6175490-\$ or US-6175553-\$ or US-6373671-\$ or US-6219335-\$ or US-6789871-\$ or US-6885745-\$).did.	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:05
S75	39	S73 S74	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:07
S76	2579	MOSFET and antenna and voltage	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:10
S77	1506	MOSFET and antenna and voltage and resistor	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:19
S82	252	MOSFET same series same switch\$4 and antenna and voltage	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:20
S81	0	MOSFET same series same switch\$4 and antenna and votlage	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:20
S80	267	MOSFET same series same switch\$4 and antenna	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:20

## EAST Search History

S79	4438	MOSFET same series same switch\$4	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:20
S78	11931	MOSFET and series same switch\$4	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:20
S85	410	MOSFET and OUT1 and OUT2	US-PGPUB; USPAT; EPO	OR	ON	2006/11/08 17:24
S84	64651	MOSFET OUT1 OUT2	US-PGPUB; USPAT; EPO	OR	ON	2006/11/08 17:24
S83	299	MOSFET same series same switch\$4 and antenna and voltage	US-PGPUB; USPAT; EPO	OR	ON	2006/11/08 17:24
S86	32	MOSFET and OUT1 and OUT2 and antenna	US-PGPUB; USPAT; EPO	OR	ON	2006/11/08 17:25
S88	4	((("6804502") or ("4464587") or ("20030011408") or ("20040061380")).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/11/08 17:26
S87	16	MOSFET and OUTA and OUTB and antenna	US-PGPUB; USPAT; EPO	OR	ON	2006/11/08 17:26
S89	24	("3699359"   "5012123"   "5313083"   "5416043"   "5492857"   "5553295"   "5572040"   "5596205"   "5600169"   "5663570"   "5777530"   "5801577"   "5861336"   "5863823"   "5883396"   "5895957"   "5920233"   "5930638"   "5973363"   "5973382"   "6057555"   "6642578").PN. OR ("6804502").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/08 17:27

## EAST Search History

S90	27	(US-20040153759-\$ or US-20030110405-\$ or US-20050035668-\$ or US-20040263347-\$ or US-20040056533-\$ or US-20050121980-\$).did. or (US-3784840-\$ or US-6715088-\$ or US-5495453-\$ or US-5339009-\$ or US-6034449-\$ or US-4439688-\$ or US-5880565-\$ or US-6064124-\$ or US-5551033-\$ or US-5563635-\$ or US-4581571-\$ or US-6304005-\$ or US-6037676-\$ or US-5652607-\$ or US-6223293-\$ or US-5220520-\$ or US-4399396-\$ or US-6542705-\$ or US-5715465-\$ or US-7040727-\$ or US-6081663-\$).did.	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/08 17:38
S91	4	(("5563635") or ("6034449") or ("7109607") or ("7030515")).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/11/08 17:39
S92	8	("20040235549"   "3609406"   "4686380"   "4808859"   "5023494"   "5061911"   "6426525"   "6690250").PN. OR ("7030515"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/08 17:42
S93	12	("20010040479"   "20020177417"   "20030171098"   "4803447"   "4890077"   "4979232"   "5475875"   "5514992"   "5594394"   "5748053"   "6373291"   "6768338").PN. OR ("7098755"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/08 17:51
S94	156	FET and antenna and (OUTA "OUT A" OUT1 "OUT 1") AND VOLTAGE	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/08 17:52
S95	3	("5969560"   "6118985"   "6542045").PN. OR ("7023258"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/08 17:54
S96	89733	Parallel same (transistor\$2 FET MOSFET)	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 10:38
S97	79678	S96 and control\$5	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 10:40
S99	15681	S97 and group and signal	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 10:41
S98	18155	S97 and group	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 10:41

## EAST Search History

S10 1	1	contoller same (FET MOSFET transistor) same voltage and parallel	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 10:43
S10 0	0	contoller same (FET MOSFET transistor) same voltage same parallel	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 10:43
S10 5	214	S104 and (FET MOSFET transistor) and voltage and parallel	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 10:46
S10 3	41	contoller and (FET MOSFET transistor) and voltage and parallel	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 10:46
S10 6	64478	switching same controller	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 10:50
S10 4	1065	(307/117).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/11/09 11:18
S10 7	97	plural\$4 same (FET MOSFET) same switch\$4 same group	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 11:19
S10 8	331	(361/84).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/11/09 11:39
S11 3	3	("4568817" "5519417" "5563645").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 11:40
S11 2	7	("20010051426" "20020068385" "5703408" "6143396" "6198170" "6232662" "6448650").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 11:40
S11 1	6	("5703408" "0051426" "6143396" "6232662" "6448650" "0068385").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 11:40
S11 0	2	("20020018086" "5172134").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 11:40
S10 9	2	("4947194" "5992979").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 11:40
S11 5	16	S109 S110 S111 S112 S113	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 11:41
S11 4	335	S108 S109 S110 S111 S112 S113	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/09 11:41

## EAST Search History

S11 7	0	switching adj groupd and parallel	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/11 11:48
S11 6	33	(US-20040252430-\$ or US-20050111151-\$ or US-20030189608-\$ or US-20020018086-\$ or US-20050012393-\$ or US-20040061380-\$ or US-20030011408-\$).did. or (US-5519417-\$ or US-6037888-\$ or US-6590916-\$ or US-5635823-\$ or US-5351162-\$ or US-6300806-\$ or US-6272041-\$ or US-4453187-\$ or US-6373671-\$ or US-6577173-\$ or US-6538869-\$ or US-6450040-\$ or US-6697283-\$ or US-7012597-\$ or US-6429691-\$ or US-5946178-\$ or US-6462603-\$ or US-7098755-\$ or US-6448671-\$ or US-5956275-\$ or US-6804502-\$ or US-7109607-\$ or US-5563635-\$ or US-7023258-\$ or US-4464587-\$ or US-6034449-\$). did.	US-PGPUB; USPAT	OR	OFF	2006/11/11 11:48
S10 2	1	contoller same (FET MOSFET transistor) and voltage and parallel	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/11 11:48
S11 8	318	switching adj group\$3 and parallel	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/11 13:10
S12 0	1	("6700224").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/11/11 13:33
S11 9	1	("20030048007").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/11/11 13:33

## EAST Search History

S12 1	33	(US-20040252430-\$ or US-20050111151-\$ or US-20030189608-\$ or US-20020018086-\$ or US-20050012393-\$ or US-20040061380-\$ or US-20030011408-\$).did. or (US-5519417-\$ or US-6037888-\$ or US-6590916-\$ or US-5635823-\$ or US-5351162-\$ or US-6300806-\$ or US-6272041-\$ or US-4453187-\$ or US-6373671-\$ or US-6577173-\$ or US-6538869-\$ or US-6450040-\$ or US-6697283-\$ or US-7012597-\$ or US-6429691-\$ or US-5946178-\$ or US-6462603-\$ or US-7098755-\$ or US-6448671-\$ or US-5956275-\$ or US-6804502-\$ or US-7109607-\$ or US-5563635-\$ or US-7023258-\$ or US-4464587-\$ or US-6034449-\$). did.	US-PGPUB; USPAT	OR	OFF	2006/11/11 13:45
S12 2	318	switching adj group\$3 and parallel	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/11 13:49
S12 3	0	general adj drive same regional adj drive same switch	US-PGPUB	OR	OFF	2006/11/11 14:43
S12 4	1	general adj drive same regional adj drive	US-PGPUB	OR	OFF	2006/11/11 14:52
S12 6	80	((361/93.8) or (361/93.9) or (361/94) or (361/97)).CCLS.	US-PGPUB	OR	OFF	2006/11/11 14:55
S12 5	1086	((361/93.8) or (361/93.9) or (361/94) or (361/97)).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/11/11 14:55
L2	1051	((361/93.8) or (361/93.9) or (361/94) or (361/97)).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/13 07:35
L1	80	((361/93.8) or (361/93.9) or (361/94) or (361/97)).CCLS.	US-PGPUB	OR	OFF	2006/11/13 07:35
L3	597	2 and (semiconductor transistor FET MOSFET IGBT BJT)	US-PGPUB; USPAT; EPO	OR	OFF	2006/11/13 07:36
L7	3	("3845405").PN. OR ("5177659"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 08:47
L8	1397	parallel with branch same (switch FET transistor) same select\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 08:48

## EAST Search History

L9	586	8 and (heat thermal overheat abnormal\$4 failure fail\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 09:04
L11	411	semiconductor with group with selection	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 09:05
L10	1194	semiconductor same group same selection	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 09:05
L12	2	("3723802").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/11/13 09:18

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	82	redundant same parallel\$3 same temperature	USPAT	OR	OFF	2006/11/13 08:37
L2	24	1 same (sense sensor detect\$3)	USPAT	OR	OFF	2006/11/13 08:35
L3	34444	parallel\$3 same transistors	USPAT	OR	OFF	2006/11/13 08:38
L4	528	3 same groups	USPAT	OR	OFF	2006/11/13 08:38
L5	142	4 same select\$4	USPAT	OR	OFF	2006/11/13 08:38
L6	2	5 same (overheat thermal temperature)	USPAT	OR	OFF	2006/11/13 08:40
L7	0	5 same (failure fails abnormal\$)	USPAT	OR	OFF	2006/11/13 08:41
L8	5	4 same (failure fails abnormal\$)	USPAT	OR	OFF	2006/11/13 08:41